Bruhath Bangalore Mahanagara Palike

Office of the Executive Engineer
Electrical Division, Yelahanka Zone
Bruhath Bengaluru Mahanagara Palike

"DTS for Kind Approval"

T.N. No.EE/ELE/YZ/TN/GN/ /2011-12 Dated:

Item No.

Bill Of Quantities/Schedule-B

Name of Work:Arranging Power supply to Proposed MS building near allalsandra tank bund in Yelahanka Newtown

Name of the Contractor/Agency

Sl. No.	Approved Qty	Description	Unit	Approved Rates		Quoted Rates	
				in Figure	in words	in Figure	in words
	PART (A) Extension of 11kv line						
1	35	Supply and errection of 9 meter RCC pole including earth work et ccomplete as per the standard technical specification b)9 mtr 145 Kg WL	Each	6583.00	Rs Six Thousand Five Hundred and Eighty three only		
2	41	Supplying and Fixing of.....cross arm including all hardwares complete as per the standard technical specification c)horizontal 50x450x6 mm -980mm	Each	270.00	Rs Two Hundred and Seventy Only		
3	108	Supplying and Fixing of.....including all hardwares complete as per the standard technical specification b)11 KV pin insulator	Each	194.00	Rs One Hundred and Ninty Four Only		
	12	c)Disc insulator	Each	1292.00	Rs One Thousand Two Hundred and Ninty two Only		
4	3200	Supply and fixing of Rabbit conductor(6/3.15 mm Al+6/3.15mm steel)	Mtr	31.47	Rs Thirty one and forty seven paise only		
5	1	Supply and errection of 11 mtr Spun pole including earth work etc ,complete as per the standard technical specification	Each	20300.00	Rs Twenty thousand and three hundred only		
6	9	Supplying and Fixing of.....including all hardwares complete as per the standard technical specification b)HTST support 50x8mm	Each	77.00	Rs Seventy seven only		
	1	j)GOS set 200A S/B	Each	8106.00	Rs Eight thousand one hundred and six only		
	1	l)Horn Gap Fuse unit(H.G)	Each	1145.00	Rs One thousand one hundred forty five only		

	1	n)lighting Arrestor 9KV 5kA Polymeric type	Each	1515.00	Rs One thousand five hundred and fifteen only			
	10	g)Guy set	Each	1069.00	Rs One thousand and sixty nine only			
	10	h)GI pipe	Each	997.00	Rs. Nine hundred and ninty seven only			
7	2	Supply and fixing of b)alkathene tube of 25mm dia asper standard technical specification	Each	765.00	Rs. Seven Hundred sixty five only			
	39	Spiral Earth Electrode as per standard technical specification	Each	535.00	Rs. Five Hundred thirty five only			
8	3	Supplying fixing and wiring earth electrode for grounding of lifts, transformer...DG sets etc using 40mm dia 2.9mm thick 2.5 mtr long GI pipe with GI funnel with mesh and suitable size reducer fixed on the top of the earth electrode. The funnel should beenclosed in a CC chamber of 400x400x400mm with a cast iron cover. The earth electrode shall have staggered holes of 12mm dia and the electrode should be covered 150mm alround with alternate layers of salt and charcoal from the bottom of the CC chamber. The connection from the electrode is to be established through GI strip using GI bolts and nuts.	No	3000.00	Rs. Three thousand only			
9	5	GI wire 10 swg	Kg	51.00	Rs Fifty one only			
10	3	PVC insulation tape	Roll	10.00	Rs. Ten Only			
11	9	MS fish plate	No	61.00	Rs. Sixty One Only			
12	1	Caution board	No	132.00	Rs. One Hundred and thirty two only			
	PART (B) Errection of 1x100 kvs Transformer on spun pole							
13	1	Supply ,errection testing and commissioning.....KVA copper wound distribution transformer 11kv/433 v with off load tap switch ,Buchholtz relay winding temprature indicator,oil temprature indicator,marshalling box with wiring magnetic oil level indicator with +5% to -10% steps of 2.5% HT and LT bushings with all standard accessories as perlatest IS standard technical specification	Each	290550.00	Rs. Two lakhs ninty thousand five hundred and fifty only			
14	1	Supply and errection of 11 mtr Spun pole including earth work etc ,complete as per the standard technical specification	Each	20300.00	Rs. Twenty thousand three hundred only			

15	1	Supply and fixing of Single pole mounted transformer kit for 100/250 KVA on 11 mtr Spun pole etc complete as per standard technical specification	Each	19110.00	Rs. Ninteen thousand One hundred and ten only		
16	9	Supplying and Fixing of.....including all hardwares complete as per the standard technical specification b)HTST support 50x8mm	Each	77.00	Rs. Seventy seven only		
	1	j)GOS set 200A S/B	Each	8106.00	Rs. Eight thousand one hundred and six only		
	1	l)Horn Gap Fuse unit(H.G)	Each	1145.00	Rs. One thousand one hundred and forty five only		
	1	n)lighting Arrestor 9KV 5kA Polymeric type	Each	1515.00	Rs. One thousand five hundred and fifteen only		
	10	g)Guy set	Each	1069.00	Rs. One thousand and sixtynine only		
	60	h)GI pipe	Each	997.00	Rs. Nine hundred and ninty seven only		
17	9	Supplying and Fixing of.....including all hardwares complete as per the standard technical specification b)11 KV pin insulator	Each	194.00	Rs. One Hundred and ninty four only		
18	2	Supply and fixing of b)alkathene tube of 25mm dia asper standard technical specification	Each	765.00	Rs. Seven Hundred sixty five only		
	1	c)LT Distribution box for 63/100KVA Transformer with 1 No 160Amps 25KA 4 pole MCCB suitable capacity aluminium bus bar mounted in 16SWG powder coated M.S.Box suitable to mount at Trnsformer Centre .	Each	15540.00	Rs. Fifteen thousand five hundred and forty only		
	1	f)LT wiring kit 250KVA as per Standard technical speci	Each	9775.00	Rs. Nine thousand seven hundred and seventy five only		
19	4	Supplying and Fixing of.....cross arm including all hardwares complete as per the standard technical specification c)horizontal 50x450x6 mm -980mm	Each	270.00	Rs. Two hundred seventy only		
20	50	Supply and fixing of Rabbit conductor(6/3.15 mm Al+6/3.15mm steel)	Mtr	31.47	Rs. Thirty one and forty seven only		
21	20	Supplying and fixing of P.G.clamps including all Hardwares etc complete as per the standard technical specification	No	305.00	Rs. Three hundred and five only		

22	1	Supplying fixing and wiring earth electrode for grounding of lifts, transformer...DG sets etc using 40mm dia 2.9mm thick 2.5 mtr long GI pipe with GI funnel with mesh and suitable size reducer fixed on the top of the earth electrode. The funnel should be enclosed in a CC chamber of 400x400x400mm with a cast iron cover. The earth electrode shall have staggered holes of 12mm dia and the electrode should be covered 150mm alround with alternate layers of salt and charcoal from the bottom of the CC chamber. The connection from the electrode is to be established through GI strip using GI bolts and nuts.	No	3000.00	Rs. Three thousand only		
23	5	GI wire 10 swg	Kg	51.00	Rs. Fifty one only		
24	3	PVC insulation tape	Roll	10.00	Rs. Ten Only		
25	9	MS fish plate	No	61.00	Rs. Sixty One Only		
26	1	Caution board	No	132.00	Rs. One Hundred thirty two Only		
		Meter Board connection					
27	32	Supplying and fixing angle iron frame work fabricated out of M.S angle iron... and M.S. flat... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint. . a) 40x40x6mm	Rmtr	240.00	Rs Two Hundred and forty Only		
28	6	Supplying.....amps rated 3 phase with neutral bus bar using requirement capacity electrolytic aluminium strips covered with heat shrinkable coloured PVC sleeve, mounted on phenolic/FRP/DMC insulator which are mounted on powder coated 40x6 mm M.S.flat frame work in existing panel board. The bus bar shall have suitable holes for termination of incoming and outgoing cables as per IS specification with necessary bolts, nuts and washers etc., complete. b) 250Amps 4x30x10mm Alluminium Strips	Rmtr	2650.00	Rs. Two Thousand six hundred fifty only		
29	32	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and wiring complete as required c) 5-32 Amps DP 1. Group 'A'	Each	510.00	Rs. Five hundred ten only		
30	300	Wiring for lighting /power circuit using one of PVC insulated 1100V grade multis and copper conductor single core cable in open or consealed system of wiring Group A materials c) 2.5 sqmm	P/ Mtr	25.00	Rs. Twenty five only		
	200	d) 4 sqmm	P/ Mtr.	32.00	Rs. Thirty two only		
31	200	Open conduit system: Supplying heavy gauge PVC conduit pipe ... dia confirming to IS 2509 with suitable size bends, junction boxes, adhesive paste etc., and fixing using inverted wood plugs in case of RCC ceiling and RCC wall stone structure or rawl plugs in case of brick walls and cement plastering damaged portion using heavy gauge saddles at an interval of 700 mm using WF screws. a) 19/20 mm dia 2mm thick	P / Mtr	37.00	Rs. Thirty seven only		

32	400	Supplying of LT UG cable having aluminium conductor PVC insualted, sheathed, galvanized, steel wire / steel tap armoured cable with PVC outer sheathing 1.1 KV calss I Class 'A' PVC Cable i) 3.5 core 95sqmm	P / Mtr	531.00	Rs. Five hundred thirty one only		
33	400	Labour charges for laying of 1.1 KV class UG cable when supplied agency in existing trech GI pipe / stone ware pipe / on wall / on pole as required c) 95 sqmm to 150sqmm	P / Mtr	14.00	Rs. Fourteen Only		
34	200	Digging of Trench of 0.6M deep X 0.50M wide refilling the trench to the required ground level and consolidating etc., complete (As per Civil SR KSRBI-2, P-7) b) In Soil (Hard)	P / Mtr	50.00	Rs. Fifty only		
35	320000	Fabricating supplying and mounting MS box made out... SWG suitable for floor/wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer pain and finally finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete a) 14 SWG	Sqcm	0.37	thirty seven paise only		
36	4	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C cutouts and other equipment on the meter board using 40mm dia 2.90mm thick GI pipe 2.5Mtr. long buried in a pit. The pit should be filled with equal proportion of slat and charcoal 150mm around the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3 of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 12mm dia.	Each	1950.00	Rs. One thousand nine hundred and fifty only		
37	50	Supplying and fixing of class A (medium duty) GI pipe of wall thickness not less than 3.25mm on pole / drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class a) 40mm	P / Mtr.	240.00	Rs. Two hundred forty only		
38	2	Supplying and fixing Moulded Case Circuit Breaker (MCCB) Over the existing wood/panel board using necessary screws, bolts, nuts and wiring thermal Magnetci Microprocessed release and Earth Fault as per IS-13947. (Icu=Ics} b) Four pole 125-160 Amps 25 kA ,1) Group 'A'	Each	8060.00	Rs Eight thousand and sixty only		

I am prepared to take up the above work at the Rates Quoted by me in Schedule-B

CONTRACTOR

EXECUTIVE ENGINEER (Ele)
Yelahanka Zone, BBMP

"DTS Approved"

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